



CONTRACT REPORT

CR-NAVFAC EXWC-CI-XXXX

CATHODIC PROTECTION OF POL SYSTEMS

2018 ANNUAL SURVEY & REPAIRS

Naval Supply Fleet Logistics Center Pearl Harbor

Honolulu, Hawaii

PRL 18-CP

RHL 18-CP

Contract No: N39430-15-D-1633 DO N3943018F4006

Prepared For:

Naval Facilities Engineering and Expeditionary Warfare Center

By:

Pond & Company, Inc. 3500

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June 2018

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Table 5 – ICCP Systems

RECTIFIER ID	RECTIFIER DC RATING	ANODE GROUNDBED (YEAR INSTALLED)	TARGET STRUCTURES
Rectifier 10	30V / 30A	100-ft deep well, 8 MMO Anodes (2017)	Tank 55 Bottom and Piping
Rectifier 13	30V / 30A	100-ft deep well, 8 MMO Anodes (2017)	Upper Tank Farm Piping
Rectifier 14	30V / 30A	185-ft deep well, 8 MMO Anodes (1994)	Tank 55 Bottom and Piping
Rectifier 20	30V / 30A	100-ft deep well, 8 MMO Anodes (2017)	Piping at VS-3 and Hotel Pier
Rectifier 23	30V / 30A	100-ft deep well, 8 MMO Anodes (2017)	Transfer Line Piping, Piping to Mike Pier and Bravo Pier
Rectifier 24	20V / 8A	Undertank ICCP System – MMO (2005)	Tank 301 Bottom
Rectifier 27	30V / 30A	100-ft deep well, 8 MMO Anodes (2017)	Lower Fuel Yard Piping
Rectifier 46	50V / 30A	Undertank ICCP System – MMO (1999)	Tank 46 Bottom
Rectifier 47	50V / 30A	Undertank ICCP System – MMO (1999)	Tank 47 Bottom
Rectifier 48	40V / 34A	Undertank ICCP System – MMO (2009)	Tank 48 Bottom
Rectifier 53	50V / 30A	Undertank ICCP System – MMO (1999)	Tank 53 Bottom
Rectifier 54	50V / 30A	Undertank ICCP System – MMO (1999)	Tank 54 Bottom

3.1 Upper Tank Farm

Tanks 46, 47, 48, 53, and 54

Tanks 46, 47, 48, 53, and 54 are on-grade carbon steel ASTs that sit upon a ring wall, have an approximate diameter of 164-feet and a height of 40-feet with a capacity of 140,000-barrels. The ASTs are surrounded by a concrete secondary spill containment area with a geomembrane liner system applied to the top of the concrete.

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**CONTRACT REPORT
CR-NAVFAC EXWC-CI-18134
OCTOBER 2017**

**CATHODIC PROTECTION OF POL SYSTEMS
2016 ANNUAL SURVEY & REPAIRS**

**Naval Supply Fleet Logistics Center Pearl Harbor
Honolulu, Hawaii**

**PRL 16-CP
RHL 16-CP**

Contract No: N39430-15-D-1631, DO 0002

Prepared For:
Naval Facilities Engineering and Expeditionary Warfare Center

By:
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Rectifier ID Job No. Customer Date
 Location Inspector DC Rating Volts Amps
 Mfg Serial No. AC Rating Volts Phase
 Type : Oil
 Shunt Rating mV Amps Tap Range Coarse Fine

CALIBRATION AND ADJUSTMENT

As Found	Rectifier Meter	DC VOLTS <input type="text" value="OFF"/>	DC AMPERES <input type="text" value="OFF"/>	Coarse	TAP SETTING <input type="text" value=""/>	Fine
	Test Meter	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>			
As Left	Rectifier Meter	DC VOLTS <input type="text" value="OFF"/>	DC AMPERES <input type="text" value="OFF"/>	Coarse	TAP SETTING <input type="text" value=""/>	Fine
	Test Meter	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>			

GROUND BED INSPECTION

 Junction Box Condition Vent

ANODE CURRENT OUTPUT (Amps)	
1. <input type="text" value=""/>	6. <input type="text" value=""/>
2. <input type="text" value=""/>	7. <input type="text" value=""/>
3. <input type="text" value=""/>	8. <input type="text" value=""/>
4. <input type="text" value=""/>	9. <input type="text" value=""/>
5. <input type="text" value=""/>	10. <input type="text" value=""/>
Total	0.00

Ground Bed and Anode Details	
Anode Type	<input type="text" value="MMO"/>
Max. Output Rating/Anode	<input type="text" value=""/> Amps
Install Date	<input type="text" value=""/>
G/B Configuration	<input type="text" value="deep well"/>
Depth/Length	<input type="text" value="185"/> Ft.

RECTIFIER OUTPUT HISTORY

DC Output						
Taps	Volts	Amps	Shunt (mV)	Date	Reader	Comments
C:2	4.7 Volts	22.60 Amps		16-Nov-11	Corrpro	2011 Annual Survey
C:2	5.0 Volts	17.10 Amps		14-Nov-12	Corrpro	2012 Annual Survey
C:2	5.2 Volts	13.10 Amps		9-Dec-13	Blaine Stauffer	2013 Annual Survey - As Found
C:4	7.2 Volts	22.50 Amps		16-Dec-13	Blaine Stauffer	2013 Annual Survey - As Left
C:4	7.9 Volts	12.45 Amps		31-Mar-15	Corrpro	2015 Annual Survey
	OFF	OFF		12-Jul-17	CM	2016 Annual Survey - System left OFF

Remarks:

1. All anodes depleted. ICCP system left off. Rectifier should be decommissioned by base personnel.

Photo:



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